

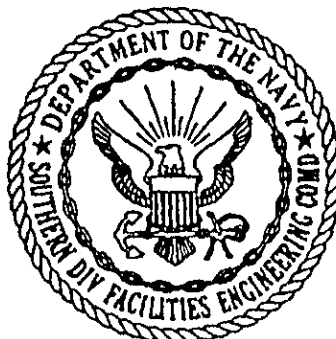
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POINCIANA PLAZA HOUSING QUARTERLY GROUNDWATER MONITORING REPORT  
FIRST QUARTER APRIL 2000 NAS KEY WEST FL  
6/1/2000  
TETRA TECH NUS

# **POINCIANA PLAZA HOUSING QUARTERLY GROUNDWATER MONITORING REPORT**

**First Quarter, April 2000**

**Naval Air Station  
Key West, Florida**



**Southern Division  
Naval Facilities Engineering Command**

**Contract Number N62467-94-D-0888  
Contract Task Order 0032**

**JUNE 2000**

*Rev. 0*

POINCIANA PLAZA HOUSING  
QUARTERLY  
GROUNDWATER MONITORING REPORT

FIRST QUARTER, APRIL 2000

FOR

NAVAL AIR STATION  
KEY WEST, FLORIDA

COMPREHENSIVE LONG-TERM  
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
North Charleston, South Carolina 29406

Submitted by:  
Tetra Tech NUS, Inc.  
661 Andersen Drive  
Foster Plaza 7  
Pittsburgh, Pennsylvania 15220

CONTRACT NUMBER N62467-94-D-0888  
CONTRACT TASK ORDER 0032

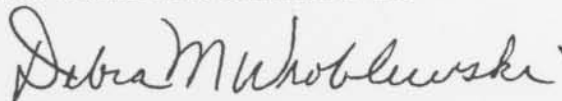
JUNE 2000

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## **POINCIANA PLAZA HOUSING QUARTERLY GROUNDWATER MONITORING REPORT**

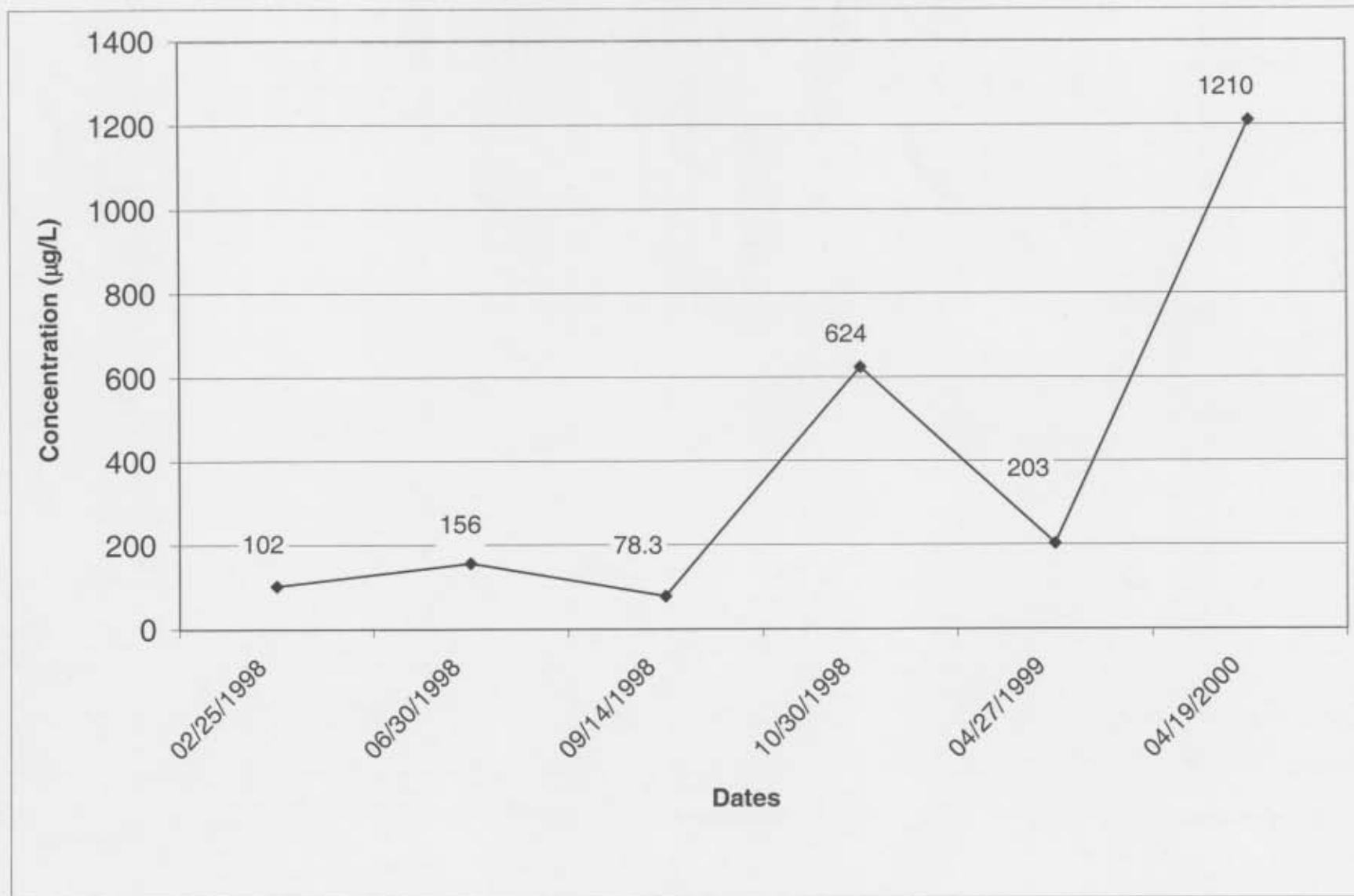
### **First Quarter, April 2000**

On April 19, 2000, an unfiltered groundwater sample was obtained from monitoring well G02MW-01 in accordance with the Sampling and Analysis Plan for Poinciana Plaza Housing Groundwater Monitoring using the low-flow sampling technique. The sampling event detected arsenic at 1,210 µg/L in G02MW-01, which is in excess of the action level of 50 µg/L. Figure 1 shows the historical results of sampling events conducted to monitor arsenic in groundwater in monitoring well G02MW-01. Figure 2 shows the location of the subject monitoring well with respect to the layout of the Poinciana Plaza Housing Complex.

Included in Attachment A of this report are copies of the chain of custody containing the Poinciana Plaza Housing sample from G02MW-01, the field data log sheet, and the laboratory results.

The second quarterly groundwater sampling event will take place during July 2000.

**Figure 1**  
**Historical Arsenic Sampling Results for G02MW-01**





NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE		POINCIANA PLAZA HOUSING GROUNDWATER MONITORING REPORT		CONTRACT NO. 3583	
							JAS	8-01-00		FIGURE 2:		APPROVED BY	DATE
							CHECKED BY	DATE		ARSENIC EXCEEDANCES IN GROUNDWATER (G02-MW-01)		APPROVED BY	DATE
							COSTRICHED AREA			NAVAL AIR STATION KEY WEST, FLORIDA		DRAWING NO.	REV. 0
							SCALE	AS NOTED					

## ATTACHMENT A



# SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

- ☒ Monitoring Well Data  
☐ Domestic Well Data  
☐ Other \_\_\_\_\_

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By PAH

Project Site Name POINCIANA HOUSING  
Sample ID G02-mw-01

Project Site Number \_\_\_\_\_  
Source Location \_\_\_\_\_

Total Well Depth: <u>12.00</u>		Purge Data					
Well Stickup: <u>0</u>	Well Casing Size: <u>2.1"</u>	Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
Static Water Level: <u>3.52</u>		INITIAL	7.29	1.11	24.5	320 CLOUDY .05	2.15
One Casing Volume: <u>8.48 140"</u>		1.4 GAL	7.36	1.06	24.9	219 CLOUDY .04	2.34
Start Purge (hrs.): <u>0741</u>		2.8 GAL	7.56	1.02	25.0	40 / CLEAR .04	0.64
End Purge (hrs.): <u>1015</u>		4.2 GAL	7.58	1.03	25.1	8 / CLEAR .04	0.97
Total Purge Time (min.): <u>46</u>							
Total Amount Purged (gal.): <u>9.26 GAL</u>							
Monitoring Reading:							
Purge Method: <u>PERISTALTIC</u>							
Sample Method: <u>LOW FLOW</u>							
Depth Sampled: <u>4.01</u>							
Sample Data & Time: <u>4/19/00 1018</u>		Sample Data					
		pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.	
Sampled By: <u>PAUL HALVERSON</u>		7.58	1.03	25.1	8 / CLEAR	0.97	
Signature(s): <u>[Signature]</u>		Observations/Notes: <u>HORIBA 00330 - CALIBRATED 4/18 Post work</u> <u>FLOW RATE</u>					
Type of Sample							
<input checked="" type="checkbox"/> Low Concentration							
<input type="checkbox"/> High Concentration							
<input type="checkbox"/> Grab							
<input type="checkbox"/> Composite							
<input type="checkbox"/> Grab - Composite							
Analysis: <u>ARSENIC</u>	Preservative:	Dup #					
		MSMSD <input type="checkbox"/>					
		Air Bill #					
		Date Shipped					
		Time Shipped					
		Lab					
		Other					



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Page 1 of 1

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## COMMENTS

Relinquished By: (Signature) <i>[Signature]</i>	Date / Time 4/20/00 0900	Received By: (Signature) <i>[Signature]</i>	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

## INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: G02-MW-01

Matrix: WATER

SDG Name: NASKW5

Percent Solids: 0.00

Lab Sample ID: WQ1086-002

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	1210			P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: COLORLESS

Clarity After: CLEAR

Comments:

FORM I - IN